

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-25 (Cancelled)

Claim 26 (Currently Amended): An isolated polynucleotide that encodes a ~~polypeptide which has transcription regulator LysR2 activity and which polypeptide is least 90% identical to the polypeptide of SEQ ID NO: 2.~~

Claim 27 (Currently Amended): The isolated polynucleotide of Claim 26, which ~~comprises nucleotides 232 to 1161 of SEQ ID NO: 1 encodes a polypeptide which is at least 95% identical to SEQ ID NO: 2.~~

Claims 28-30 (Cancelled)

Claim 31 (Previously Presented): The isolated polynucleotide of Claim 26 which is DNA.

Claim 32 (Previously Presented): The isolated polynucleotide of Claim 26 which is RNA.

Claims 33-35 (Cancelled)

Claim 36 (Currently Amended): An isolated polynucleotide which ~~comprises~~ consists of at least 15 consecutive nucleotides of SEQ ID NO: 1.

Claim 37 (Currently Amended): The isolated polynucleotide of Claim 36, which ~~comprises~~ consists of at least 15 consecutive nucleotides between nucleotides 232 to 1161 of SEQ ID NO: 1.

Claim 38 (Currently Amended): The isolated polynucleotide of Claim 36 which comprises SEQ ID NO: ~~4~~ 3.